

## Technical Data Sheet

### *Moplen* HE425H



Polypropylene, Homopolymer

#### Product Description

LyondellBasell Australia's Polypropylene grade *Moplen* HE425H is an impact enhanced, low flow homopolymer. *Moplen* HE425H is primarily intended for use in sheet and thermoforming applications.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Asia-Pacific; Australia and New Zealand
<b>Application</b>	Corrugated Sheet; General Sheet Extrusion
<b>Market</b>	Industrial Packaging; Rigid Packaging
<b>Processing Method</b>	Sheet and Profile Extrusion; Thermoforming
<b>Attribute</b>	Good Impact Resistance; Good Processability; Good Stiffness

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	1.8	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1400	MPa	ISO 178
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	8.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>Hardness</b>			
Shore Hardness, (Shore D)	69		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	83	°C	ISO 75B-1, -2

#### Notes

These are typical property values not to be construed as specification limits.